



# Electricity and Circuits

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A series circuit gives electricity many different paths to travel through.

Rewrite: \_\_\_\_\_

2. Fix the sentence:

Aluminum foil is an insulator, so it should never be used to connect parts of a circuit.

Rewrite: \_\_\_\_\_

3. Fix the sentence:

When a battery runs out of energy, it means the wires inside the battery have broken apart.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. The two ends of a battery are marked with a plus sign and a \_\_\_\_\_ sign.
2. A \_\_\_\_\_ is a thin wire inside a light bulb that glows when electricity passes through it.
3. Objects with opposite electrical charges \_\_\_\_\_ each other.
4. A doorbell uses electricity to make \_\_\_\_\_ energy.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why do batteries have a positive end and a negative end?

\_\_\_\_\_  
\_\_\_\_\_

2. Give two examples of devices in your home that use electricity and name the type of energy each device produces.

**Part A: Fix the Sentence**

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A series circuit gives electricity many different paths to travel through.

Rewrite: \_\_\_\_\_

2. Fix the sentence:

Aluminum foil is an insulator, so it should never be used to connect parts of a circuit.

Rewrite: \_\_\_\_\_

3. Fix the sentence:

When a battery runs out of energy, it means the wires inside the battery have broken apart.

Rewrite: \_\_\_\_\_

**Part B: Fill in the Blank**

Write the missing word or number on each line.

1. The two ends of a battery are marked with a plus sign and a minus sign.
2. A filament is a thin wire inside a light bulb that glows when electricity passes through it.
3. Objects with opposite electrical charges attract each other.
4. A doorbell uses electricity to make sound energy.

**Part C: Short Answer**

Answer each question in one or two complete sentences.

1. Why do batteries have a positive end and a negative end?

\_\_\_\_\_  
\_\_\_\_\_

2. Give two examples of devices in your home that use electricity and name the type of energy each device produces.

\_\_\_\_\_